

WASHINGTON STATE DEPARTMENT OF HEALTH OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald J. Melvin, Environmental Specialist

AREA: Sequim Bay

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved, Conditionally Approved, Prohibited

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected four times from the Sequim Bay “approved and prohibited” stations and eleven times from the “conditionally approved” station in 2005. The “conditionally approved” portion of Sequim Bay was closed to harvest of shellfish in accordance with the management plan requirement for a shellfish harvest closure during land application of treated sewage effluent from the State Park. The area were closed a total of 54 days due to biotoxin.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the most recent 30 samples collected from each of the “approved” and “prohibited” Sequim Bay stations. Table #1 shows that all “approved” stations pass the NSSP water quality standard. Station #88 is of concern due to elevated bacteria levels. Table #2 summarizes the most recent 30 samples collected from the “conditionally approved” area in Sequim Bay. Table #2 shows that the “conditionally approved” portion of Sequim Bay passes the water quality standard.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

- ☐ Well within the classification standards
- ☒ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

The area is appropriately classified. Bell, Johnson, and Jimmycomelately creeks are on the 303d list for fecal coliform.

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MANAGEMENT PLAN EVALUATION – BRIEFLY DESCRIBE THE FOLLOWING COMPONENTS:

- 1. Have all parties involved complied with the conditions in the management planYes
- 2. Has reporting been adequate to manage the conditional areaYes
- 3. Does the area consistently meet approved area criteria when it is open for harvestYes
- 4. Has a field inspection of critical pollution sources been conducted.....Yes

TABLE 1**SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **SEQUIM BAY**Classification: **Approved,Prohibited**From **07/10/2000** To **08/25/2005****FECAL COLIFORM ORGANISMS/100 ML**

| Station Number | Classification | Number of Samples | Range | Geometric Mean | Est. 90th Percentile | Meets Std. |
|-----------------------|-----------------------|--------------------------|--------------|-----------------------|-----------------------------|-------------------|
| 72 | Approved | 31 | 1.7 - 4.5 | 1.7 | 2.0 | Yes |
| 73 | Approved | 31 | 1.7 - 5.6 | 1.8 | 2.0 | Yes |
| 74 | Approved | 31 | 1.7 - 17.0 | 2.0 | 3.0 | Yes |
| 75 | Approved | 31 | 1.7 - 4.5 | 1.8 | 2.0 | Yes |
| 77 | Approved | 31 | 1.7 - 14.0 | 2.2 | 4.0 | Yes |
| 79 | Approved | 31 | 1.7 - 13.0 | 2.1 | 3.0 | Yes |
| 81 | Approved | 31 | 1.7 - 49.0 | 2.7 | 8.0 | Yes |
| 82 | Approved | 31 | 1.7 - 7.8 | 2.1 | 3.0 | Yes |
| 83 | Approved | 30 | 1.7 - 17.0 | 2.3 | 5.0 | Yes |
| 84 | Approved | 31 | 1.7 - 7.8 | 1.9 | 3.0 | Yes |
| 86 | Approved | 31 | 1.7 - 13.0 | 1.9 | 3.0 | Yes |
| 88 | Approved | 31 | 1.7 - 170.0 | 5.3 | 27.0 | Yes |
| 89 | Approved | 31 | 1.7 - 49.0 | 2.6 | 8.0 | Yes |
| 90 | Approved | 31 | 1.7 - 4.5 | 1.8 | 2.0 | Yes |
| 91 | Approved | 31 | 1.7 - 70.0 | 2.8 | 11.0 | Yes |
| 93 | Approved | 31 | 1.7 - 23.0 | 3.0 | 8.0 | Yes |
| 96 | Approved | 31 | 1.7 - 4.5 | 1.9 | 2.0 | Yes |
| 97 | Approved | 31 | 1.7 - 7.8 | 2.0 | 3.0 | Yes |
| 98 | Approved | 32 | 1.7 - 13.0 | 2.5 | 6.0 | Yes |
| 76 | Prohibited | 31 | 1.7 - 7.8 | 2.2 | 4.0 | Yes |
| 87 | Prohibited | 31 | 1.7 - 4.5 | 1.8 | 2.0 | Yes |

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

† All samples have been verified.

TABLE 2

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **SEQUIM BAY**

Classification: **Conditionally Approved**

From **07/10/2003** To **12/07/2005**

FECAL COLIFORM ORGANISMS/100 ML

| Station Number | Classification | Number of Samples | Range | Geometric Mean | Est. 90th Percentile | Meets Std. |
|----------------|------------------------|-------------------|------------|----------------|----------------------|------------|
| 78 | Conditionally Approved | 30 | 1.7 - 14.0 | 2.1 | 4.0 | Yes |

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

